

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

James Crocker X5-50

KW 1/29/2008
INITIAL/DATE

Amy Hood X5-50

KW 1/29/2008
INITIAL/DATE

Tom Edmundson X5-50

KW 1/29/2008
INITIAL/DATE

COMMENTS:

SDG 08-A-0301

SAF-RC-006

Rad only

X Chem only

Rad & Chem

X Complete

Partial

Waste Site(s): 107-N Floor Tile

RECEIVED
FEB 05 2008
EDMC



1/24/08
Page 1 of 3

SUBMITTED TO:


Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J168T3 through J168T7
P.O. No.:	Not Available
Sample Location:	107-N Floor Tile
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-0301
DCL Sample ID No.:	08-01748 through 08-01752
Sample Receipt Date:	1/23/08
Analysis Date:	1/24/08

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

1/25/08

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 107-N Floor Tile
Set ID: 08-A-0301

Client Sample ID:	J168T3	J168T3	J168T4	J168T4	J168T5
DCL Sample ID:	08-01748A	08-01748B	08-01749A	08-01749B	08-01750
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Homog.
Color:	Grey	Tan	Brown	Tan	Grey
Texture:	Compact	Resinous	Flexible	Flexible	Crumbly
Description:	Tile	Mastic	Covebase	Mastic	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3				
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	ND	ND	ND	ND
Other Materials					
% Cellulose:	>1 ≤ 3		>1 ≤ 3		
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80	>20 ≤ 30	>70 ≤ 80	
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>60 ≤ 70	>10 ≤ 20	>90 ≤ 100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

1/25/08

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: 107-N Floor Tile
Set ID: 08-A-0301

Client Sample ID:	J168T6	J168T6	J168T7	J168T7
DCL Sample ID:	08-01751A	08-01751B	08-01752A	08-01752B
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered
Color:	Brown	Tan	Grey	Tan
Texture:	Flexible	Crumbly	Compact	Resinous
Description:	Covebase	Mastic	Tile	Mastic
Analysis:	PLM	PLM	PLM	PLM
Asbestiform Minerals				
% Chrysotile:			>1 ≤ 3	
% Amosite:				
% Crocidolite:				
% Tremolite - Actinolite:				
% Anthophyllite:				
% Total Asbestos:	ND	ND	>1 ≤ 3	ND
Other Materials				
% Cellulose:				
% Fiberglass:				
% Other Fibers:				
% Resin/Binder:	>20 ≤ 30	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80
% Non Fibrous:	>60 ≤ 70	>10 ≤ 20	>70 ≤ 80	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

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Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-156		Page 1 of 1	
Collector Edmundson		Company Contact Tom Edmundson		Telephone No. 376-4058		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 107-N Floor Tile		SAF No. RC-006					
Ice Chest No. FED EX BOX		Field Logbook No. EL-1516-12		COA R107N01000		Method of Shipment Fed Ex			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080125		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Potential ACM Special Handling and/or Storage N/A				Preservation		None			
				Type of Container		G/P			
				No. of Container(s)		1			
				Volume		5g			
SAMPLE ANALYSIS <div style="font-size: 2em; text-align: center;">08-A-0301</div>				Asbestos-BULK-EPA					
Sample No. 08+		Matrix *		Sample Date		Sample Time			
J168T3 01748		OTHER SOLID		1-21-08		1330		✓	
J168T4 01749		OTHER SOLID		1-21-08		1335		✓	
J168T5 01750		OTHER SOLID		1-21-08		1337		✓	
J168T6 01751		OTHER SOLID		1-21-08		1400		✓	
J168T7 01752		OTHER SOLID		1-21-08		1405		✓	
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS			
Relinquished By/Removed From <i>TR Edmundson</i>		Date/Time 1-21-08 1545		Received By/Stored In <i>3728 #2A</i>		Date/Time 1-21-08 1545		Lab Analysis, Shipping & Data Management COA- RD4MXX2F00 samples from 3728 Ref # <u>2A</u> 3728 Custodian removed samples for shipping on <u>1/22/08</u> Sampler unavailable to relinquish	
Relinquished By/Removed From <i>3728 #2A</i>		Date/Time 1-22-08 1030		Received By/Stored In <i>KM Single km</i>		Date/Time 1-22-08 1030			
Relinquished By/Removed From <i>WCH</i>		Date/Time 1-22-08 1500		Received By/Stored In <i>FED EX</i>		Date/Time 1-22-08 1500			
Relinquished By/Removed From <i>KM Single km</i>		Date/Time 1-22-08 1500		Received By/Stored In <i>WCH</i>		Date/Time 1-22-08 1500			
Relinquished By/Removed From <i>WCH</i>		Date/Time 1-22-08 1500		Received By/Stored In <i>WCH</i>		Date/Time 1-22-08 1500			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By <i>[Signature]</i>		Title 1/23/08 1446		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method <i>[Signature]</i>		Disposed By 1/23/08 1446		Date/Time			